

L Number	Hits	Search Text	DB	Time stamp
79	897	syndiotactic adj (polypropylene or propylene)	USPAT; US-PGPUB	2003/05/18 17:29
80	10957	heatset or h ats tting or (heat adj (set or setting))	USPAT; US-PGPUB	2003/05/18 17:16
81	49	(heatset or heatsetting or (heat adj (s t or setting))) and (syndiotactic adj (polypropylene or propylene))	USPAT; US-PGPUB	2003/05/18 17:16
82	57572	shrinkage	USPAT; US-PGPUB	2003/05/18 17:16
83	34	((heatset or heatsetting or (heat adj (set or setting))) and (syndiotactic adj (polypropylene or propylene))) and shrinkage	USPAT; US-PGPUB	2003/05/18 17:16
84	99	(syndiotactic adj (polypropylene or propylene)) same (base or core)	USPAT; US-PGPUB	2003/05/18 17:25
86	17	(heatset or heatsetting or (heat adj (set or setting))) and ((syndiotactic adj (polypropylene or propylene)) same (base or core))	USPAT; US-PGPUB	2003/05/18 17:25
87	586	syndiotactic adj (polypropylene or propylene)	EPO; JPO; DERWENT	2003/05/18 17:29
88	114968	oriented or orientated	EPO; JPO; DERWENT	2003/05/18 17:29
89	39	(syndiotactic adj (polypropylene or propylene)) and (oriented or orientated)	EPO; JPO; DERWENT	2003/05/18 17:29
90	2076594	base or core	EPO; JPO; DERWENT	2003/05/18 17:30
91	24	((syndiotactic adj (polypropylene or propylene)) and (oriented or orientated)) and (base or core)	EPO; JPO; DERWENT	2003/05/18 17:30

PAT-NO: JP407266516A

DOCUMENT-IDENTIFIER: JP 07266516 A

TITLE: BIAXIALY ORIENTED POLYPROPYLENE COMPOSITE FILM FOR
METAL VAPOR DEPOSITION

PUBN-DATE: October 17, 1995

INVENTOR-INFORMATION:

NAME

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TORAY IND INC

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APPL-NO: JP06061328

APPL-DATE: March 30, 1994

INT-CL (IPC): B32B027/32, B32B007/02 , B32B007/02 , B32B015/08

ABSTRACT:

PURPOSE: To provide the title film enhanced in gas barrier properties and moistureproof properties by laminating a polymer resin or mixed resin layer B on at least the single surface of a base layer A to form a film and setting the center line surface roughness Ra of the B-layer of the film to a specific value.

CONSTITUTION: A biaxially oriented polypropylene composite film for metal vapor deposition is obtained by laminating a syndiotactic polypropylene resin layer or a mixed resin layer B of syndiotactic polypropylene and isotactic polypropylene on at least the single surface of a base layer A based on polypropylene and the center line surface roughness Ra of the B-layer is set to 0.03-0.15 μ m. The surface roughness Ra is 0.03-0.15 μ m but pref. 0.03-0.12 μ m, more pref. 0.004-0.8 μ m. When the surface roughness is below this range, the slip properties of the film after metal vapor deposition is bad because the film is too smooth and, when the surface roughness exceeds the range, the glossiness of the film after metal vapor deposition is inferior and gas barrier properties and moistureproof properties are inferior.

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PUB-NO: WO009933643A1

DOCUMENT-IDENTIFIER: WO 9933643 A1

TITLE: SYNDIOTACTIC POLYPROPYLENE MULTILAYER PACKAGING FILM

PUBN-DATE: July 8, 1999

INVENTOR-INFORMATION:

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APPL-NO: US09826011

APPL-DATE: December 8, 1998

PRIORITY-DATA: US99814897A (December 24, 1997)

INT-CL (IPC): B29D022/00, B29D023/00 , B32B027/08

EUR-CL (EPC): B32B027/32 ; B29C055/02

ABSTRACT:

CHG DATE=19990803 STATUS=O>The present invention relates to a biaxially oriented multilayer film structure having (i) a core substrate of high density polyethylene; and (ii) an additional layer of syndiotactic polypropylene on at least one surface of the core substrate. Optionally, the film of the present invention includes at least one heat sealable layer on the outer surface of the additional layer.